## Abstract of the Disclosure

A method of controlling packet transmission in a power line communication (PLC)-based local area network (LAN) including providing a PLC centrol coordinator in the PLC LAN for managing allocation of PLC LAN resources; and providing, for any packet traversing the PLC LAN, a destination station MAC address, a source station MAC address, and a temporary equipment identifier (TEI) for the transmitting PLC station.

5

23 SLA.1291